

Special Issue

Design, Prototyping and Measurement of Intelligent Microwave Filtering Components in Wireless Communication Systems

Message from the Guest Editors

Wireless communication systems are rapidly evolving to meet the demands of next-generation technologies, such as 5G/6G, IoT, and satellite communications. Microwave filtering components, including filters, filtering antennas, and filtering power dividers, play a critical role in ensuring signal integrity, reducing interference, and enhancing system performance. However, the increasing complexity of wireless systems necessitates innovative approaches to the design, prototyping, and measurement of these components. This Special Issue aims to explore **cutting-edge advancements in intelligent microwave filtering components** for wireless communication systems. We invite researchers to contribute original research articles, reviews, and case studies that address **novel design methodologies, prototyping techniques, and measurement approaches**. We encourage submissions that highlight **interdisciplinary approaches**, combining insights from electromagnetics, material science, artificial intelligence, and signal processing.

- **Advanced Design Techniques**
- **Prototyping and Manufacturing Innovations**
- **Intelligent Measurement and Characterization**
- **Emerging Applications**

Guest Editors

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Deadline for manuscript submissions

15 December 2025



Electronics

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Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/237411

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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